

CONTINENTAL LIME INC.

Cricket Mountain Plant

JAN 1 6 1996 DIV OF OIL, GAS & MINING

January 8, 1996

D. Wayne Hedberg Permit Supervisor Div. of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

Re: Continental Lime Inc.'s Cricket Mountain Quarry Reclamation Seeding

Dear Mr. Hedberg:

Continental Lime Inc. (CLI) would like to reclaim approximately two acres within their Cricket Mtn. Quarry. We have requested assistance from the Natural Resources Conservation Service (NRCS) in reviewing our reclamation program. Mr. Blake Walbeck, Range Conservationist for the NRCS, visited the Cricket Mtn. Quarry in December. Mr. Walbeck was shown the test plots and the areas ready to be reclaimed in early 1996, he was given a copy of the relevant portions of the reclamation program, and he took some samples of the available growth medias, ie. fines and topsoil. Please find attached Mr. Walbeck's comments and recommendations.

We would like to implement the NRCS's recommendations in a planting of four stepbenches, encompassing approximately two acres, on the final wall of the Cricket Mtn. Quarry. The areas in question have been prepared with fines and growth media and we would like to plant them within the next thirty days.

If you or someone on your staff would like to visit the site I can organize a meeting with Mr. Walbeck and we can all review this program "on the ground". For further information or questions please feel free to contact Vic Kastner the Cricket Mtn. Quarry Supervisor, he will be CLI's contact man and the reclamation supervisor. Vic can be reached by phone at (801) 864-3823 and by fax at (801) 864-3831.

Continental Lime is interested in beginning some large scale plantings to better evaluate growth potential at our Cricket Mtn. Quarry. Vic will be waiting to hear from you at your earliest convenience.

Sincerely,

Bob Robison General Foreman

Cricket Mtn. Lime Plant

cc. B. Walbeck file

United States Department of Agriculture

Natural Resources Conservation Service P.O. Box 534 Richfield, UT 84701

December 10, 1995

Robert Robison General Foreman Continental Lime Inc.

After reviewing the reclamation proposal for the Cricket Mountain area, the results of the soil salinity tests and the NRCS specifications for critical area planting, I submit the following observations and recommendations for your consideration.

Due to the shallow soil depth, low water holding capacity and salinity of the soil, I recommend the seed mixture and qualities shown in the attached table. This mix replaces some of the deeper rooted shrubs and native grasses with more drought and salt tolerant species. This mix provides a good combination of grasses, forbs and shrubs that are adapted to the post mining conditions. I have review this recommendation with our regional plant material specialist and our district wildlife biologist for adequacy. Both individuals responded favorably as to the seed mixtures adaptation to the site and its suitability for wildlife.

As to the mulching material, the current plan requires 3000 lbs of straw per acre, this seems excessive in light of the shallow soil depth. Our mulching specification call for 1000 lbs per acre. Even at the lower rate incorporation and maintaining mulch on the seeded area may be difficult. I recommend that at least a portion of the straw be laid down prior to placing the fill. To some degree this material will be incorporated as the area is ripped.

Our specification for critical area plantings states that no chemical fertilizer should be applied on area with less than 12 inches of annual precipitation, which would include the area of concern. However, because of the "sterile" nature of the fill I would recommend application of a complete fertilizer like 10-10-10. A dressing of 30 to 40 lbs per acre would be adequate.

In lieu of drilling the seed mix I suggest the following alternative. After the fill has been placed and any mulch you may apply in the fill, broadcast the seed and fertilizer, drag lightly with a mat harrow to cover the seed, broadcast a light cover of straw, followed by packing with a crawler type tractor. This operation should compact and pit the fill while crimping the straw.



I have discussed these options with Harvey Gates of the Fillmore office of the Bureau of Land Management (BLM). He is in agreement with my recommendations. I also discussed with him an on site visit in the near future to gain first hand knowledge of the reclamation operation and to further assess the revised seeding proposal. He is also agreeable to this.

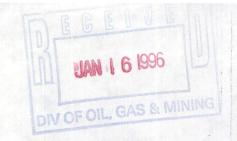
If I can supply any further material or information, contact me at 896-6441.

Blake Walbeck

Range Conservationist

Blake Walbeck

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SEEDING RECOMMENDATION

Species	PLS lb. per acre *	# seed / lb.	Total Seeds per acre
'Nordan' crested wheatgrass	2 lb.	153,000	306,000
'Bozoski' Russian wildrye	2 lb.	135,000	270,000
'Luna' pubescent wheatgrass	2 lb.	80,000	160,000
'Immigrant' forage kochia	.5 lb.	520,000	260,000
yellow sweet clover	2 lb.	230,000	460,000
shadscale	1 lb.	65,000	65,000
four wing salt bush	1 lb.	55,000	55,000

^{*} PLS = pure live seed. Computed by multiplying the species percent germination by the percent purity.